

## SUBSTITUTE ABSTRACT

A network based on Code Division Multiple Access techniques or CDMA is dimensioned for input parameters to provide at least a value of maximum sustainable load per cell given a plurality of services provided by first determining for each cell a load factor per cell on the basis of the input parameters and then verifying whether the determined load factor corresponds to the maximum load sustainable by the cell and, if the determined load factor exceeds the maximum sustainable load, and finally dynamically negotiating at the Radio Resource Management level radio resources to be allocated to at least one of the services provided by the network into the cell in such a way that the determined load factor per cell becomes smaller than or equal to the maximum sustainable load or is optimized by taking into account the characteristics of the network.